

1225255

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

*September 14, 2004*

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE.

APPLICATION NUMBER: 60/485,839

FILING DATE: *July 09, 2003*

RELATED PCT APPLICATION NUMBER: PCT/US04/23026

Certified by



Jon W Dudas

Acting Under Secretary of Commerce  
for Intellectual Property  
and Acting Director of the U.S.  
Patent and Trademark Office

**PROVISIONAL APPLICATION FOR PATENT COVER SHEET**  
This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No.

U.S. PTO  
60/485839



INVENTOR(S)					
Given Name (first and middle [if any]) <b>SAMER</b>		Family Name or Surname <b>RAMADAN</b>		Residence (City and either State or Foreign Country) <b>NEWFIELDS, NH</b>	
<b>SAMER</b>		<b>RAMADAN</b>		<b>NEWFIELDS, NH</b>	
Additional inventors are being named on the _____ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (500 characters max) <b>Real/Chan Filters for Viewing 3D photos printed on home computer/printers</b>					
Direct all correspondence to: CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number: <b>15 FINN Ave. Newfields, NH 03856</b>					
OR					
<input type="checkbox"/> Firm or Individual Name: <b>MISSION3D LLC,</b>					
Address: <b>15 FINN Ave.</b>					
Address: _____					
City: <b>Newfields</b>		State: <b>NH</b>	Zip: <b>03856</b>		
Country: <b>USA.</b>		Telephone: <b>603-773-0006</b>	Fax: <b>603-773-5699</b>		
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification Number of Pages <b>1</b>					
<input checked="" type="checkbox"/> Drawing(s) Number of Sheets <b>2</b>					
<input type="checkbox"/> Application Date Sheet. See 37 CFR 1.76					
<input type="checkbox"/> CD(s), Number _____					
<input type="checkbox"/> Other (specify) _____					
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT					
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.					
<input checked="" type="checkbox"/> A check or money order is enclosed to cover the filing fees.					
<input type="checkbox"/> The Director is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: _____					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
FILING FEE Amount (\$) <b>\$ 80</b>					
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No.					
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____					

Respectfully submitted

[Page 1 of 2]

Date **07/07/03**

SIGNATURE

TYPED or PRINTED NAME

TELEPHONE

**SAMER RAMADAN**

**603-773-0006**

REGISTRATION NO.

(if appropriate)

Docket Number:

**USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT**  
This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Provisional Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

17698 U.S. PTO  
07/09/03

PTO/SB/17 (05-03)  
Approved for use through 04/30/2003. OMB 0851-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$)  
80

Complete if Known

Application Number

Filing Date

First Named Inventor

Examiner Name

Art Unit

Attorney Docket No.

7/9/2003  
Samer RAMADAN

## METHOD OF PAYMENT (check all that apply)

☒ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number  
Deposit Account Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	80

SUBTOTAL (1) (\$)  
80

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims  -20\*\* =  X  =   
Independent Claims  -3\*\* =  X  =   
Multiple Dependent  =

Large Entity Code (\$)	Small Entity Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)  
0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity, Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)  
80

## SUBMITTED BY

Name (Print/Type) **SAMER RAMADAN**  
Signature **Samer Ramadan**

Registration No.  
(Attorney/Agent)

(Complete if applicable)

Telephone **603-773-0006**

Date **7-7-03**

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Title: Red/Cyan Filters for viewing 3D photos printed on home computer/ printers.

July, 2003

Inventor: Samer Ramadan  
Assigned to: Mission3D LLC.

Abstract: Color Filter wavelength to create the best possible and sharpest Red/Cyan Anaglyph filters for viewing Anaglyph 3D photographs printed on inkjet printers. These filters are for creating high quality 3D glasses and viewers.

After searching the whole market for existing Red/Cyan filters and looking at prior art, I could not find a clean and ghost free red/cyan filters on the market that could view red/cyan anaglyph photos printed on home computer printers. This meant that further research is required to find the appropriate wavelength that works with these printers. The result was the enclosed wavelength that could revolutionize 3D acceptance by providing the clearest and sharpest Anaglyph 3D viewing ever created.

Over numerous trials of different wavelengths and 10 months of trying, the enclosed is the unique wavelength that accomplished the required results (within a variance of  $\pm 5\%$ ).

(1) specs/abstract

Send to?  
Mail Stop Provisional Patent  
Applications  
Commissioner of Patents  
Box 1450  
Alexandria, VA  
22313-1450

Mission3D LLC. USA. 15 Finn Ave. Newfields, NH. USA

## Red Lens Specifications:

© Copyright 2003 Mission3D LLC (Patent Pending)

Luminous Transmittance (Tv) : 13.8786650 %  
Filter Category : 3  
MAX Tf 260nm-315nm : (<0.1Tv) 0.000 =~~≠~~ PASS  
MAX Tf 315nm-350nm : (<0.5Tv) 0.000 =~~≠~~ PASS  
MAX TSUVA 315nm-380nm : (<0.Tv) 0.00000 =~~≠~~ PASS  
Min Tv 500nm-650nm : (>0.2Tv) 0.000 =~~≠~~ FAIL

### UV Transmittance:

TSUVA (<0.00000+0.5) : 0.00000 =~~≠~~ PASS  
TSUVB (<0.00000+0.5) : 0.00000 =~~≠~~ PASS

### Blue Light Transmittance:

Tsb 380nm-500nm (<0.00000+0.5) : 0.00000 =~~≠~~ -Reference-

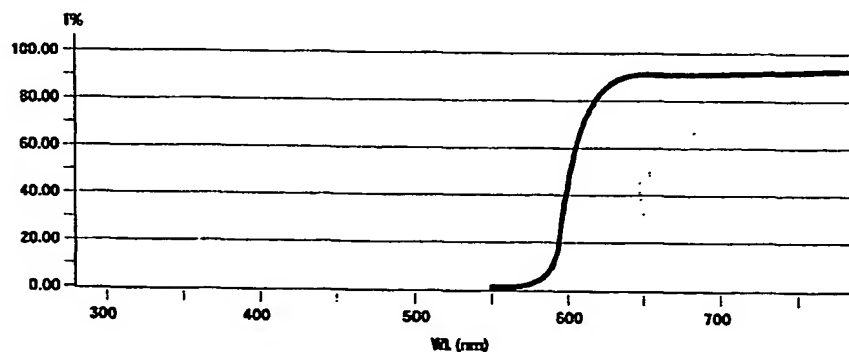
### Recognition of signal lights:

Red (Q) Factor (>0.8) : 5.101 =~~≠~~ PASS  
Yellow (Q) Factor (>0.8) : 2.320 =~~≠~~ PASS  
Green (Q) Factor (>0.6) : 0.120 =~~≠~~ FAIL  
Blue (Q) Factor (>0.4) : 0.715 =~~≠~~ PASS

### Spectrum Data:

WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%
780	91.903	770	92.161	760	92.448	750	92.722	740	92.917
730	92.717	720	92.326	710	91.811	700	91.462	690	91.345
680	91.542	670	91.612	660	81.412	650	90.614	640	89.146
630	86.667	620	81.662	610	69.871	600	46.158	590	16.359
580	1.864	570	0.047	560	0.000	550	0.000	540	0.000
530	0.000	520	0.000	510	0.000	500	0.000	490	0.000
480	0.000	470	0.000	460	0.000	450	0.000	440	0.000
430	0.000	420	0.000	410	0.000	400	0.000	390	0.000
380	0.000	370	0.000	360	0.000	350	0.000	340	0.000
330	0.000	320	0.000	310	0.000	300	0.000	290	0.000
280	0.000								

## Red Lens



Title: Red/Cyan filters for viewing 3D photos  
In Printer: Printed on Home (2) Printer  
Drawings & Specs

Mission3D LLC. Mission3D LLC. USA. 15 Finn Ave. Newfields, NH. USA

## Cyan (Blue) Lens Specifications:

© Copyright 2003 Mission3D LLC (Patent Pending)

Luminous Transmittance (Tv) : 20.3037224 %  
Filter Category: 2  
MAX Tf 260nm-315nm : (<0.1Tv) 0.000 =~~≠~~ PASS  
MAX Tf 315nm-350nm : (<0.5Tv) 0.000 =~~≠~~ PASS  
MAX TSUVA 315nm-380nm : (<0.Tv) 0.00000 =~~≠~~ PASS  
Min Tv 500nm-650nm : (>0.2Tv) 0.000 =~~≠~~ FAIL

### UV Transmittance:

TSUVA (<0.00000+0.5) : 0.00000 =~~≠~~ PASS  
TSUVB (<0.00000+0.5) : 0.00000 =~~≠~~ PASS

### Blue Light Transmittance:

Tsb 380nm-500nm (<31.98323+0.5) : 40.1871 =~~≠~~ -Reference-

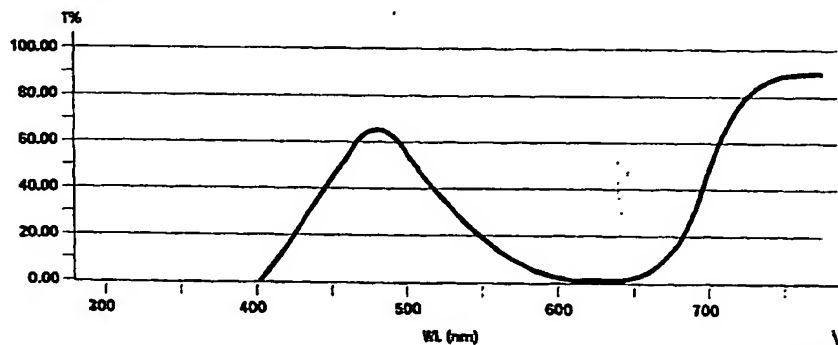
### Recognition of signal lights:

Red (Q) Factor (>0.8) : 0.175 =~~≠~~ FAIL  
Yellow (Q) Factor (>0.8) : 0.346 =~~≠~~ FAIL  
Green (Q) Factor (>0.6) : 1.413 =~~≠~~ PASS  
Blue (Q) Factor (>0.4) : 1.930 =~~≠~~ PASS

### Spectrum Data:

WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%
780	92.144	770	91.478	760	90.844	750	90.296	740	89.580
730	87.446	720	82.453	710	72.361	700	56.497	690	37.370
680	20.510	670	9.744	660	4.616	650	2.657	640	2.128
630	2.260	620	2.539	610	2.574	600	2.617	590	3.287
580	5.182	570	0.262	560	11.744	550	15.936	540	22.629
530	31.805	520	40.710	510	48.506	500	56.496	490	62.925
480	64.320	470	60.939	460	54.323	450	43.995	440	31.496
430	21.451	420	14.386	410	5.358	400	0.115	390	0.000
380	0.000	370	0.000	360	0.000	350	0.000	340	0.000
330	0.000	320	0.000	310	0.000	300	0.000	290	0.000
280	0.000								

## Cyan/Blue Lens



Title: Red/Cyan Filters for Viewing 3D Photos Printed on Home printers  
in/processor: *(1) Drawings + Specs*

# Document made available under the Patent Cooperation Treaty (PCT)

International application number: PCT/US04/023026

International filing date: 09 July 2004 (09.07.2004)

Document type: Certified copy of priority document

Document details: Country/Office: US  
Number: 60/485,839  
Filing date: 09 July 2003 (09.07.2003)

Date of receipt at the International Bureau: 22 September 2004 (22.09.2004)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b)



World Intellectual Property Organization (WIPO) - Geneva, Switzerland  
Organisation Mondiale de la Propriété Intellectuelle (OMPI) - Genève, Suisse

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☒ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**